

# ANTIROLL AND ANTI-PITCH SYSTEM FOR A VEHICLE, AND DEVICE FOR ITS IMPLEMENTATION

This antiroll and anti-pitch system for a vehicle, and the device for its implementation that cooperates the vehicle suspension or substituting it, allows that the wheeling sets keep contact with the ground and a uniform load distribution even when the case of an irregular terrain, being such wheeling sets related two-to-two in a diagonal arrangement through interaction means that receive the thrust of one or more wheeling sets and adapt them to transmit them to the other wheeling set, with the purpose of maintaining the uniform load distribution and reduce the roll and heading of the vehicle.

The vertical forces detected in the wheeling sets work through mechanic, hydraulic or electric means made up by mechanic resilient elements, hydraulic and/or pneumatic elements and electronic devices.

Fig. 15